



Appendices for MH/DD/SAS Community Systems Progress Indicators

**Report for Second Quarter SFY 2007-2008
October 1 – December 31, 2007**

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February 29, 2008



The following Appendices are a companion piece to the *Community Systems Progress Indicators Report*, both of which are available on the Division's website at: <http://www.ncdhhs.gov/mhddsas/statpublications/reports>. Appendix A lists the LME abbreviations used in the Report and their corresponding member counties as well as provides the population density of each county used to determine the Urban/ Mixed/ and Rural groupings, as referenced in the Report. Appendix B contains the tables with the statistics for each LME on the Progress Indicators addressed in the Report. Appendix C provides a summary sheet for each local system to use in comparing its performance to statewide averages and to other LMEs that are similar in population density. The formulas used for calculating each indicator are found in Appendix D.

APPENDIX A: Population Density* for LMEs and Their Member Counties by Groupings					
Group Designation					
Urban**		Mixed**		Rural**	
Cumberland	469	A-C-R		Albemarle	
Durham	845	Alamance	327	Camden	39
Guilford	691	Caswell	56	Chowan	84
Mecklenburg	1,559	Rockingham	162	Currituck	91
Pathways		B-C		Dare	92
Cleveland	210	Burke	175	Hyde	9
Gaston	549	Catawba	377	Martin	47
Lincoln	237	Beacon Ctr		Pasquotank	175
Wake	940	Edgecombe	104	Perquimans	50
		Greene	77	Tyrrell	11
		Nash	171	Washington	38
		Wilson	209	Five County	
		CenterPoint		Franklin	112
		Davie	150	Granville	102
		Forsyth	809	Halifax	77
		Stokes	103	Vance	173
		Crossroads		Warren	48
		Iredell	249	Foothills	
		Surry	138	Alexander	140
		Yadkin	113	Caldwell	167
		Eastpointe		McDowell	64
		Duplin	64	Johnston	191
		Lenoir	146	SER	
		Sampson	68	Bladen	38
		Wayne	211	Columbus	58
		ECBH		Robeson	136
		Beaufort	56	Scotland	116
		Bertie	28	SMountain	
		Craven	131	Alleghany	46
		Gates	33	Ashe	60
		Hertford	68	Avery	73
		Jones	22	Cherokee	58
		Northampton	40	Clay	47
		Pamlico	39	Graham	28
		Pitt	223	Haywood	103
		O-C		Jackson	74
		Carteret	122	Macon	78
		Onslow	206	Swain	26
		OPC		Watauga	138
		Chatham	84	Wilkes	89
		Orange	310		
		Person	96		
		Piedmont			
		Cabarrus	423		
		Davidson	282		
		Rowan	263		
		Stanly	150		
		Union	264		
		Sandhills			
		Anson	49		
		Harnett	175		
		Hoke	108		
		Lee	213		
		Montgomery	56		
		Moore	118		
		Randolph	177		
		Richmond	99		
		SEC			
		Brunswick	108		
		New Hanover	931		
		Pender	55		
		WHighlands			
		Buncombe	334		
		Henderson	266		
		Madison	69		
		Mitchell	72		
		Polk	81		
		Rutherford	113		
		Transylvania	80		
		Yancey	59		

* Definition from N.C. Rural Economic Development Center's Rural Data Bank <http://www.ncruralcenter.org/databank/> and population density is based on North Carolina State Demographics Unit July 2006 Population Projections (as of 12/6/06) and county area from the US Census Bureau 2006 Quick Facts (<http://quickfacts.census.gov/qfd/states>).

** Urban counties have an average of 200 or more persons living per square mile of land area. The Mixed group contains multi-county LMEs with at least one member county meeting the definition of urban. Rural counties contain fewer than 200 persons per square mile.

Appendix B

INDICATOR 1: Identification of Individuals In Need of Service (Adults)									
LME	Adult MH			Adult DD			Adult SA		
	Number in Need	Number Served	Percent of Population in Need Served	Number in Need	Number Served	Percent of Population in Need Served	Number in Need	Number Served	Percent of Population in Need Served
Cumberland	12,192	5,310	44%	1,927	521	27%	21,262	1,422	7%
Durham	10,316	4,054	39%	1,598	578	36%	17,660	1,335	8%
Guilford	18,753	6,976	37%	2,777	1,025	37%	30,978	2,164	7%
Mecklenburg	34,365	7,643	22%	5,198	1,624	31%	56,226	3,918	7%
Pathways	15,209	9,607	63%	2,152	1,168	54%	24,154	2,530	10%
Wake	32,907	7,994	24%	5,032	1,159	23%	54,402	2,879	5%
URBAN SUBTOTAL	123,742	41,584	34%	18,684	6,075	33%	204,681	14,248	7%
ACR	10,631	4,486	42%	1,509	576	38%	17,047	1,229	7%
BC	9,971	4,248	43%	1,422	498	35%	15,977	1,355	8%
Beacon Ctr	9,918	3,637	37%	1,406	642	46%	15,824	743	5%
CenterPoint	17,359	6,490	37%	2,480	897	36%	27,829	2,357	8%
Crossroads	10,655	4,532	43%	1,498	503	34%	16,824	1,055	6%
Eastpointe	11,730	4,760	41%	1,684	828	49%	18,944	978	5%
ECBH	16,348	6,009	37%	2,409	1,084	45%	27,559	1,963	7%
OC	9,502	2,569	27%	1,605	354	22%	18,498	905	5%
OPC	9,464	2,447	26%	1,454	544	37%	16,421	1,060	6%
Piedmont*									
Sandhills	21,491	8,315	39%	3,077	986	32%	34,585	2,260	7%
SEC	14,568	5,069	35%	2,047	659	32%	23,367	2,021	9%
WHighlands	21,211	9,505	45%	2,867	1,328	46%	33,096	2,877	9%
MIXED SUBTOTAL	162,848	62,067	38%	23,457	8,899	38%	265,971	18,803	7%
Albemarle	7,762	3,319	43%	1,072	465	43%	12,280	1,021	8%
Five County	9,418	5,181	55%	1,336	579	43%	14,999	1,292	9%
Foothills	6,705	2,780	41%	933	319	34%	10,531	720	7%
Johnston	6,198	3,077	50%	912	199	22%	9,912	987	10%
SER	10,134	5,934	59%	1,460	778	53%	16,407	1,795	11%
SMountain	15,410	6,275	41%	2,153	844	39%	25,110	1,719	7%
RURAL SUBTOTAL	55,627	26,566	48%	7,867	3,184	40%	89,240	7,534	8%
STATEWIDE	342,218	130,217	38%	50,008	18,158	36%	559,892	40,585	7%

SOURCE: Medicaid and State Service Claims Data. October 1, 2006 to September 30, 2007.

* Data on service claims for Piedmont are not available for this report.

Data Sources and Calculations for Prevalence:

Population Data: State Demographics Unit (<http://demog.state.nc.us>), July 2007 Population Projection (last update 6/5/07), downloaded 10/31/07.

Mental Health Prevalence Rates: Prepared by NRI/SDICC for CMHS, August 30, 2007 (for the MH Block Grant)

- **Children:** URS Table 1: Children with Serious Emotional Disturbance, ages 9-17, by State, 2006. Note: 12% is the midpoint (11%-13%) for the LOF=60 range (SED with substantial functional impairment). The same rate was applied to children under age 9.

- **Adults:** URS Table 1: Number of Persons with Serious Mental Illness, age 18 and older, by State, 2006.

Substance Abuse Prevalence Rates: SAMHSA, Office of Applied Studies, National Surveys on Drug Use and Health, 2004 and 2005, published Feb 2007.

- **Children and Adults:** Table B.20, Dependence on or Abuse of Illicit Drugs or Alcohol in Past Year, by Age Group and State: Percentages, Annual Averages Based on 2004 and 2005 NSDUH.

Prevalence rate for adolescents (ages 12-17) is 8.06%, for adults (ages 18-25) is 18.20%, and for adults (ages 26+) is 7.11%.

Developmental Disability Prevalence Rates: Report by the US DHHS, Surgeon General (2001) based on data from the 1994 and 1995 National Health Interview Survey (NHIS) Disability Supplement, Phase I, Estimated Ages of People with MR/DD in US Non-Institutional Population. Prevalence rates for persons ages 3-5 = 3.8%, ages 6-16 = 3.2%, ages 17-24 = 1.5%, ages 25-34 = 0.9%, ages 35-44 = 0.8%, ages 45-54 = 0.7%, ages 55-64 = 0.5%, ages 65+ = 0.4%.

Estimated Persons In Need Of Services: These numbers were calculated by multiplying the most current available statewide prevalence rates for NC for MH, DD, and SA by the July 2007 county population projections for each relevant age group for each county in each LME's catchment area.

INDICATOR 1: Identification of Individuals In Need of Service (Children/Adolescents)									
LME	Child/Adolescent MH			Child/Adolescent DD			Adolescent SA		
	Number in Need	Number Served	Percent of Population in Need Served	Number in Need	Number Served	Percent of Population in Need Served	Number in Need	Number Served	Percent of Population in Need Served
Cumberland	8,220	3,437	42%	2,194	348	16%	2,209	131	6%
Durham	5,899	3,676	62%	1,585	348	22%	1,501	130	9%
Guilford	11,095	3,864	35%	2,956	495	17%	3,027	134	4%
Mecklenburg	21,660	6,090	28%	5,811	891	15%	5,608	278	5%
Pathways	9,020	4,542	50%	2,402	709	30%	2,498	197	8%
Wake	20,995	6,110	29%	5,624	716	13%	5,540	232	4%
URBAN SUBTOTAL	76,889	27,719	36%	20,572	3,507	17%	20,383	1,102	5%
ACR	6,144	2,278	37%	1,639	218	13%	1,663	119	7%
BC	5,974	2,581	43%	1,591	214	13%	1,643	133	8%
Beacon Ctr	6,224	2,990	48%	1,659	316	19%	1,732	73	4%
CenterPoint	10,458	4,037	39%	2,786	493	18%	2,866	227	8%
Crossroads	6,607	1,716	26%	1,766	225	13%	1,772	81	5%
Eastpointe	7,535	3,685	49%	2,012	463	23%	2,011	79	4%
ECBH	9,083	6,583	72%	2,425	720	30%	2,479	210	8%
OC	4,963	1,708	34%	1,332	212	16%	1,302	59	5%
OPC	4,716	1,682	36%	1,259	315	25%	1,286	99	8%
Piedmont*									
Sandhills	13,385	5,656	42%	3,568	568	16%	3,609	281	8%
SEC	6,887	3,871	56%	1,835	575	31%	1,923	114	6%
WHighlands	10,598	5,104	48%	2,825	654	23%	2,924	196	7%
MIXED SUBTOTAL	92,574	41,891	45%	24,699	4,973	20%	25,214	1,671	7%
Albemarle	4,086	2,197	54%	1,090	191	18%	1,135	50	4%
Five County	5,742	2,822	49%	1,529	243	16%	1,607	110	7%
Foothills	3,756	1,456	39%	1,002	116	12%	1,014	46	5%
Johnston	4,161	1,359	33%	1,120	117	10%	1,048	39	4%
SER	6,935	4,787	69%	1,850	581	31%	1,885	125	7%
SMountain	7,013	3,796	54%	1,874	336	18%	1,901	136	7%
RURAL SUBTOTAL	31,693	16,417	52%	8,466	1,584	19%	8,591	506	6%
STATEWIDE	201,155	86,027	43%	53,737	10,064	19%	54,188	3,279	6%

SOURCE: Medicaid and State Service Claims Data. October 1, 2006 to September 30, 2007.

* Data on service claims for Piedmont are not available for this report.

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Developmental Disability Prevalence Rates Report by the US DHHS, Surgeon General (2001) based on data from the 1994 and 1995 National Health Interview Survey (NHIS) Disability Supplement, Phase I, Estimated Ages of People with MR/DD in US Non-Institutional Population. Prevalence rates for persons ages 3-5 = 3.8%, ages 6-16 = 3.2%, ages 17-24 = 1.5%, ages 25-34 = 0.9%, ages 35-44 = 0.8%, ages 45-54 = 0.7%, ages 55-64 = 0.5%, ages 65+ = 0.4%.

Estimated Persons In Need Of Services These numbers were calculated by multiplying the most current available statewide prevalence rates for NC for MH, DD, and SA by the July 2007 county population projections for each relevant age group for each county in each LME's catchment area.

INDICATOR 2: Timely Initiation and Engagement of Individuals in Service (Mental Health)									
LME	2 Visits within 14 Days		2nd Service > 14 Days		No 2nd Service		Total Number with an Initial Visit	4 Visits within 45 Days**	
	Number	Percent	Number	Percent	Number	Percent		Number	Percent
Cumberland	587	24%	565	23%	1,270	52%	2,422	355	15%
Durham	740	61%	231	19%	243	20%	1,214	594	49%
Guilford	822	29%	564	20%	1,409	50%	2,795	507	18%
Mecklenburg	1,041	44%	533	22%	802	34%	2,376	724	30%
Pathways	957	34%	852	30%	995	35%	2,804	650	23%
Wake	1,031	42%	685	28%	760	31%	2,476	753	30%
URBAN SUBTOTAL	5,178	37%	3,430	24%	5,479	39%	14,087	3,583	25%
ACR	522	33%	358	23%	681	44%	1,561	339	22%
BC	465	32%	456	31%	544	37%	1,465	229	16%
Beacon Ctr	613	39%	402	25%	562	36%	1,577	407	26%
CenterPoint	748	36%	465	23%	840	41%	2,053	545	27%
Crossroads	393	27%	354	24%	702	48%	1,449	208	14%
Eastpointe	660	36%	488	26%	700	38%	1,848	441	24%
ECBH	1,177	49%	546	23%	700	29%	2,423	977	40%
OC	306	37%	258	31%	269	32%	833	188	23%
OPC	351	43%	206	25%	258	32%	815	239	29%
Piedmont*									
Sandhills	974	29%	859	26%	1,507	45%	3,340	566	17%
SEC	701	38%	423	23%	730	39%	1,854	451	24%
WHighlands	1,184	46%	653	26%	716	28%	2,553	783	31%
MIXED SUBTOTAL	8,094	37%	5,468	25%	8,209	38%	21,771	5,373	25%
Albemarle	395	36%	284	26%	433	39%	1,112	231	21%
Five County	530	31%	461	27%	746	43%	1,737	363	21%
Foothills	316	35%	279	31%	303	34%	898	173	19%
Johnston	257	23%	232	21%	627	56%	1,116	133	12%
SER	1,039	53%	444	23%	485	25%	1,968	800	41%
SMountain	686	36%	409	21%	818	43%	1,913	433	23%
RURAL SUBTOTAL	3,223	37%	2,109	24%	3,412	39%	8,744	2,133	24%
STATEWIDE	16,495	37%	11,007	25%	17,100	38%	44,602	11,089	25%

SOURCE: Medicaid and State Service Claims Data. April 1 - June 30, 2007 (first service received)

* Data on service claims for Piedmont are not available for this report.

** For persons receiving 2 visits within the first 14 days of service.

NOTE: Percentages should **NOT** total 100% across the LME row.

INDICATOR 2: Timely Initiation and Engagement of Individuals in Service (Developmental Disability)									
LME	2 Visits within 14 Days		2nd Service > 14 Days		No 2nd Service		Total Number with an Initial Visit	4 Visits within 45 Days**	
	Number	Percent	Number	Percent	Number	Percent		Number	Percent
Cumberland	22	44%	5	10%	23	46%	50	21	42%
Durham	11	52%	6	29%	4	19%	21	7	33%
Guilford	31	58%	10	19%	12	23%	53	27	51%
Mecklenburg	64	70%	14	15%	13	14%	91	52	57%
Pathways	37	65%	11	19%	9	16%	57	29	51%
Wake	58	67%	14	16%	14	16%	86	43	50%
URBAN SUBTOTAL	223	62%	60	17%	75	21%	358	179	50%
ACR	24	75%	3	9%	5	16%	32	22	69%
BC	7	47%	2	13%	6	40%	15	7	47%
Beacon Ctr	20	56%	6	17%	10	28%	36	13	36%
CenterPoint	34	72%	5	11%	8	17%	47	31	66%
Crossroads	20	71%	7	25%	1	4%	28	18	64%
Eastpointe	19	42%	9	20%	17	38%	45	16	36%
ECBH	22	45%	13	27%	14	29%	49	17	35%
OC	17	61%	6	21%	5	18%	28	15	54%
OPC	24	57%	6	14%	12	29%	42	22	52%
Piedmont*									
Sandhills	28	57%	4	8%	17	35%	49	21	43%
SEC	44	79%	11	20%	1	2%	56	38	68%
WHighlands	49	72%	7	10%	12	18%	68	38	56%
MIXED SUBTOTAL	308	62%	79	16%	108	22%	495	258	52%
Albemarle	9	64%	4	29%	1	7%	14	7	50%
Five County	25	78%	4	13%	3	9%	32	22	69%
Foothills	3	38%	3	38%	2	25%	8	0	0%
Johnston	8	40%	3	15%	9	45%	20	6	30%
SER	21	64%	1	3%	11	33%	33	21	64%
SMountain	23	61%	5	13%	10	26%	38	18	47%
RURAL SUBTOTAL	89	61%	20	14%	36	25%	145	74	51%
STATEWIDE	620	62%	159	16%	219	22%	998	511	51%

SOURCE: Medicaid and State Service Claims Data. April 1 - June 30, 2007 (first service received)

* Data on service claims for Piedmont are not available for this report.

** For persons receiving 2 visits within the first 14 days of service.

NOTES: Percentages should **NOT** total 100% across the LME row.

This measures includes a low number of persons with dual DD/SA diagnoses.

INDICATOR 2: Timely Initiation and Engagement of Individuals in Service (Substance Abuse)									
LME	2 Visits within 14 Days		2nd Service > 14 Days		No 2nd Service		Total Number with an Initial Visit	4 Visits within 45 Days**	
	Number	Percent	Number	Percent	Number	Percent		Number	Percent
Cumberland	100	56%	22	12%	57	32%	179	64	36%
Durham	71	89%	4	5%	5	6%	80	60	75%
Guilford	137	67%	18	9%	49	24%	204	108	53%
Mecklenburg	407	75%	36	7%	98	18%	541	310	57%
Pathways	122	69%	18	10%	38	21%	178	103	58%
Wake	186	57%	51	16%	91	28%	328	140	43%
URBAN SUBTOTAL	1,023	68%	149	10%	338	22%	1,510	785	52%
ACR	58	50%	16	14%	42	36%	116	31	27%
BC	120	68%	15	9%	41	23%	176	95	54%
Beacon Ctr	33	47%	10	14%	27	39%	70	22	31%
CenterPoint	166	63%	33	13%	63	24%	262	130	50%
Crossroads	79	69%	15	13%	21	18%	115	53	46%
Eastpointe	59	62%	7	7%	29	31%	95	37	39%
ECBH	88	55%	25	16%	46	29%	159	59	37%
OC	123	62%	31	16%	44	22%	198	81	41%
OPC	74	63%	13	11%	30	26%	117	51	44%
Piedmont*									
Sandhills	203	65%	43	14%	65	21%	311	150	48%
SEC	181	59%	31	10%	95	31%	307	132	43%
WHighlands	209	75%	20	7%	49	18%	278	154	55%
MIXED SUBTOTAL	1,393	63%	259	12%	552	25%	2,204	995	45%
Albemarle	58	48%	21	18%	41	34%	120	44	37%
Five County	42	39%	17	16%	50	46%	109	23	21%
Foothills	47	69%	6	9%	15	22%	68	43	63%
Johnston	34	64%	5	9%	14	26%	53	27	51%
SER	100	77%	10	8%	20	15%	130	71	55%
SMountain	131	59%	20	9%	72	32%	223	101	45%
RURAL SUBTOTAL	412	59%	79	11%	212	30%	703	309	44%
STATEWIDE	2,828	64%	487	11%	1,102	25%	4,417	2,089	47%

SOURCE: Medicaid and State Service Claims Data. April 1 - June 30, 2007 (first service received)

* Data on service claims for Piedmont are not available for this report.

** For persons receiving 2 visits within the first 14 days of service.

NOTE: Percentages should **NOT** total 100% across the LME row.

INDICATOR 2: Timely Initiation and Engagement of Individuals in Service (Mental Health/Developmental Disability)									
LME	2 Visits within 14 Days		2nd Service > 14 Days		No 2nd Service		Total Number with an Initial Visit	4 Visits within 45 Days**	
	Number	Percent	Number	Percent	Number	Percent		Number	Percent
Cumberland	22	40%	19	35%	14	25%	55	16	29%
Durham	16	73%	5	23%	1	5%	22	14	64%
Guilford	28	24%	35	29%	56	47%	119	21	18%
Mecklenburg	94	66%	36	25%	13	9%	143	74	52%
Pathways	39	65%	13	22%	8	13%	60	30	50%
Wake	30	61%	13	27%	6	12%	49	25	51%
URBAN SUBTOTAL	229	51%	121	27%	98	22%	448	180	40%
ACR	16	42%	9	24%	13	34%	38	11	29%
BC	23	55%	8	19%	11	26%	42	20	48%
Beacon Ctr	20	53%	7	18%	11	29%	38	16	42%
CenterPoint	39	81%	6	13%	3	6%	48	33	69%
Crossroads	13	62%	4	19%	4	19%	21	12	57%
Eastpointe	30	51%	21	36%	8	14%	59	27	46%
ECBH	50	68%	18	24%	6	8%	74	48	65%
OC	14	52%	8	30%	5	19%	27	11	41%
OPC	12	63%	5	26%	2	11%	19	9	47%
Piedmont*									
Sandhills	28	55%	13	25%	10	20%	51	20	39%
SEC	25	71%	6	17%	4	11%	35	22	63%
WHighlands	36	63%	14	25%	7	12%	57	29	51%
MIXED SUBTOTAL	306	60%	119	23%	84	17%	509	258	51%
Albemarle	12	36%	10	30%	11	33%	33	9	27%
Five County	13	50%	8	31%	5	19%	26	11	42%
Foothills	7	58%	3	25%	2	17%	12	7	58%
Johnston	8	38%	6	29%	7	33%	21	4	19%
SER	42	64%	16	24%	8	12%	66	33	50%
SMountain	22	51%	8	19%	13	30%	43	18	42%
RURAL SUBTOTAL	104	52%	51	25%	46	23%	201	82	41%
STATEWIDE	639	55%	291	25%	228	20%	1,158	520	45%

SOURCE: Medicaid and State Service Claims Data. April 1 - June 30, 2007 (first service received)

* Data on service claims for Piedmont are not available for this report.

** For persons receiving 2 visits within the first 14 days of service.

NOTE: Percentages should **NOT** total 100% across the LME row.

INDICATOR 2: Timely Initiation and Engagement of Individuals in Service (Mental Health/Substance Abuse)									
LME	2 Visits within 14 Days		2nd Service > 14 Days		No 2nd Service		Total Number with an Initial Visit	4 Visits within 45 Days**	
	Number	Percent	Number	Percent	Number	Percent		Number	Percent
Cumberland	83	33%	65	26%	102	41%	250	67	27%
Durham	95	66%	30	21%	18	13%	143	72	50%
Guilford	207	46%	91	20%	156	34%	454	157	35%
Mecklenburg	241	54%	81	18%	124	28%	446	195	44%
Pathways	209	65%	67	21%	45	14%	321	170	53%
Wake	163	49%	74	22%	96	29%	333	120	36%
URBAN SUBTOTAL	998	51%	408	21%	541	28%	1,947	781	40%
ACR	67	39%	28	16%	79	45%	174	45	26%
BC	95	66%	28	19%	21	15%	144	73	51%
Beacon Ctr	61	62%	14	14%	24	24%	99	46	46%
CenterPoint	167	52%	72	22%	83	26%	322	128	40%
Crossroads	74	56%	23	17%	36	27%	133	53	40%
Eastpointe	79	49%	45	28%	38	23%	162	61	38%
ECBH	101	60%	24	14%	43	26%	168	82	49%
OC	25	66%	10	26%	3	8%	38	22	58%
OPC	76	50%	33	22%	43	28%	152	54	36%
Piedmont*									
Sandhills	189	51%	71	19%	112	30%	372	128	34%
SEC	110	63%	29	17%	36	21%	175	82	47%
WHighlands	223	66%	55	16%	60	18%	338	177	52%
MIXED SUBTOTAL	1,267	56%	432	19%	578	25%	2,277	951	42%
Albemarle	67	43%	40	26%	48	31%	155	31	20%
Five County	114	47%	58	24%	72	30%	244	90	37%
Foothills	57	59%	17	18%	23	24%	97	42	43%
Johnston	92	33%	53	19%	134	48%	279	69	25%
SER	167	72%	33	14%	33	14%	233	118	51%
SMountain	98	61%	30	19%	32	20%	160	70	44%
RURAL SUBTOTAL	595	51%	231	20%	342	29%	1,168	420	36%
STATEWIDE	2,860	53%	1,071	20%	1,461	27%	5,392	2,152	40%

SOURCE: Medicaid and State Service Claims Data. April 1 - June 30, 2007 (first service received)

* Data on service claims for Piedmont are not available for this report.

** For persons receiving 2 visits within the first 14 days of service.

NOTE: Percentages should **NOT** total 100% across the LME row.

INDICATOR 3: Effective Use of State Psychiatric Hospitals							
LME	1 - 7 Days of Care		8 - 30 Days of Care		30+ Days of Care		Total Discharges
	Number	Percent	Number	Percent	Number	Percent	
Cumberland	110	48%	76	33%	41	18%	227
Durham	200	53%	126	33%	54	14%	380
Guilford	221	51%	144	33%	69	16%	434
Mecklenburg	56	30%	75	40%	55	30%	186
Pathways	54	38%	50	35%	37	26%	141
Wake	772	67%	280	24%	99	9%	1,151
URBAN SUBTOTAL	1,413	56%	751	30%	355	14%	2,519
ACR	201	55%	120	33%	47	13%	368
BC	61	42%	43	30%	40	28%	144
Beacon Ctr	192	51%	143	38%	38	10%	373
CenterPoint	188	56%	104	31%	43	13%	335
Crossroads	78	48%	56	34%	29	18%	163
Eastpointe	197	54%	134	37%	36	10%	367
ECBH	163	58%	92	33%	26	9%	281
OC	97	55%	62	35%	18	10%	177
OPC	84	49%	66	39%	20	12%	170
Piedmont	149	46%	119	37%	57	18%	325
Sandhills	152	50%	102	34%	50	16%	304
SEC	208	60%	116	33%	24	7%	348
WHighlands	219	46%	173	36%	85	18%	477
MIXED SUBTOTAL	1,989	52%	1,330	35%	513	13%	3,832
Albemarle	57	53%	38	35%	13	12%	108
Five County	209	65%	79	25%	34	11%	322
Foothills	37	41%	34	38%	19	21%	90
Johnston	73	56%	40	31%	18	14%	131
SER	89	43%	81	39%	36	17%	206
SMountain	79	49%	56	35%	26	16%	161
RURAL SUBTOTAL	544	53%	328	32%	146	14%	1,018
STATEWIDE	3,946	54%	2,409	33%	1,014	14%	7,369

SOURCE: Healthcare Enterprise Accounts Receivable Tracking System (HEARTS) Data on Discharges during July 1 - December 31, 2007.

INDICATOR 4: Timely Follow-Up Care for Individuals After Inpatient Care (ADATCs)

LME	Seen in 1 to 7 days		Seen in 8 to 30 days		Seen in 30 to 60 days		Seen in 61+ days**		Not Seen		Total Number of Discharges
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Cumberland	4	40%	0	0%	0	0%	1	10%	5	50%	10
Durham	8	24%	6	18%	4	12%	0	0%	15	45%	33
Guliford	7	15%	4	9%	4	9%	6	13%	25	54%	46
Mecklenburg	6	14%	2	5%	3	7%	6	14%	26	60%	43
Pathways	12	40%	6	20%	2	7%	4	13%	6	20%	30
Wake	6	30%	2	10%	1	5%	2	10%	9	45%	20
URBAN SUBTOTAL	43	24%	20	11%	14	8%	19	10%	86	47%	182
ACR	10	23%	5	11%	0	0%	3	7%	26	59%	44
BC	8	22%	3	8%	2	5%	4	11%	20	54%	37
Beacon Ctr	7	24%	4	14%	0	0%	2	7%	16	55%	29
CenterPoint	9	18%	15	29%	4	8%	3	6%	20	39%	51
Crossroads	2	13%	0	0%	2	13%	1	6%	11	69%	16
Eastpointe	9	27%	3	9%	1	3%	0	0%	20	61%	33
ECBH	8	17%	8	17%	2	4%	5	11%	24	51%	47
OC	6	38%	1	6%	0	0%	2	13%	7	44%	16
OPC	6	29%	2	10%	2	10%	0	0%	11	52%	21
Piedmont*											
Sandhills	12	38%	4	13%	0	0%	3	9%	13	41%	32
SEC	12	39%	3	10%	2	6%	1	3%	13	42%	31
WHighlands	40	32%	11	9%	3	2%	10	8%	60	48%	124
MIXED SUBTOTAL	129	27%	59	12%	18	4%	34	7%	241	50%	481
Albemarle	8	31%	2	8%	1	4%	2	8%	13	50%	26
Five County	10	27%	2	5%	1	3%	3	8%	21	57%	37
Foothills	5	23%	0	0%	2	9%	2	9%	13	59%	22
Johnston	2	40%	0	0%	1	20%	0	0%	2	40%	5
SER	7	29%	2	8%	2	8%	1	4%	12	50%	24
SMountain	12	21%	3	5%	1	2%	3	5%	37	66%	56
RURAL SUBTOTAL	44	26%	9	5%	8	5%	11	6%	98	58%	170
STATEWIDE	216	26%	88	11%	40	5%	64	8%	425	51%	833

SOURCE: Healthcare Enterprise Accounts Receivable Tracking System (HEARTS) Discharge Data (for HEARTS discharges April 1 - June 30, 2007); Medicaid and State Service Claims Data (for claims submitted April 1 - December 31, 2007).
 * Data on service claims for Piedmont are not available for this report.
 **This group ranged from 61-164 days.

NOTES: The rows may add up to > 100% due to rounding.

The data has been lagged two quarters (6 months) to allow adequate time for claims to be submitted and the data to be captured by the paid claims system.

INDICATOR 4: Timely Follow-Up Care for Individuals After Inpatient Care (State Psychiatric Hospitals)											
LME	Seen in 1 to 7 days		Seen in 8 to 30 days		Seen in 30 to 60 days		Seen in 61+ days**		Not Seen		Total Number of Discharges
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Cumberland	44	44%	9	9%	1	1%	6	6%	39	39%	99
Durham	104	55%	18	9%	6	3%	13	7%	49	26%	190
Guliford	72	42%	29	17%	9	5%	10	6%	53	31%	173
Mecklenburg	30	36%	15	18%	4	5%	6	7%	28	34%	83
Pathways	43	53%	14	17%	4	5%	2	2%	18	22%	81
Wake	138	26%	86	16%	27	5%	36	7%	242	46%	529
URBAN SUBTOTAL	431	37%	171	15%	51	4%	73	6%	429	37%	1,155
ACR	53	29%	29	16%	11	6%	9	5%	83	45%	185
BC	35	40%	11	13%	4	5%	6	7%	32	36%	88
Beacon Ctr	64	32%	21	10%	6	3%	7	3%	104	51%	202
CenterPoint	77	33%	52	23%	10	4%	8	3%	84	36%	231
Crossroads	22	31%	11	15%	6	8%	6	8%	27	38%	72
Eastpointe	64	36%	26	15%	8	5%	10	6%	69	39%	177
ECBH	48	31%	15	10%	7	5%	14	9%	70	45%	154
OC	21	32%	13	20%	6	9%	7	11%	18	28%	65
OPC	24	32%	8	11%		0%	2	3%	42	55%	76
Piedmont*											
Sandhills	70	35%	32	16%	12	6%	11	6%	74	37%	199
SEC	50	33%	25	16%	6	4%	5	3%	67	44%	153
WHighlands	64	35%	27	15%	12	7%	13	7%	65	36%	181
MIXED SUBTOTAL	592	33%	270	15%	88	5%	98	5%	735	41%	1,783
Albemarle	22	42%	7	13%	3	6%	2	4%	18	35%	52
Five County	46	28%	14	9%	14	9%	5	3%	83	51%	162
Foothills	29	34%	11	13%	4	5%	6	7%	35	41%	85
Johnston	29	37%	15	19%	5	6%	4	5%	25	32%	78
SER	47	47%	18	18%	4	4%	5	5%	25	25%	99
SMountain	47	39%	13	11%	6	5%	6	5%	48	40%	120
RURAL SUBTOTAL	220	37%	78	13%	36	6%	28	5%	234	39%	596
STATEWIDE	1,243	35%	519	15%	175	5%	199	6%	1,398	40%	3,534

SOURCE: Healthcare Enterprise Accounts Receivable Tracking System (HEARTS) Discharge Data (for HEARTS discharges April 1 - June 30, 2007); Medicaid and State Service Claims Data (for claims submitted April 1 - December 31, 2007).

* Data on service claims for Piedmont are not available for this report.

**This group ranged from 61-173 days.

NOTES: The rows may add up to > 100% due to rounding.

The data has been lagged two quarters (6 months) to allow adequate time for claims to be submitted and the data to be captured by the paid claims system.

Appendix C: Formulas for Calculation of Measures in the Community Systems Progress Indicators Reports SFY 2007-2008			
Indicator	Numerator	Denominator	Notes
Services to Persons in Need (Treated Prevalence)	Number of <u>unduplicated</u> persons with at least one paid IPRS and/or Medicaid service claim* that indicates a diagnosis for the age-disability group during the defined period. Disability group is based on the first three diagnoses on all claims. Persons in	Number of persons in the LME catchment area's relevant age group estimated to need service for the disability (based on national studies). Age appropriate estimates were applied to county population, where applicable.	An individual person can be counted in more than one age-disability group Defined period includes four quarters of service dates, lagged by one quarter prior to the report to allow time for claims to be submitted and paid.
Timely Initiation of Services	Number of persons with a first paid IPRS and/or Medicaid service claim* that indicates a diagnosis for the disability group during the defined period who receive a second paid IPRS and/or Medicaid service claim that indicates a diagnosis for the disability	Number of persons with a first paid IPRS and/or Medicaid service claim* that indicates a diagnosis for the disability group during the defined period	The first date of service is defined as a service after 60 days with no service. Defined period includes first service dates during one quarter plus two subsequent quarters of additional service dates (most recent 3 quarters of service claims total). Lagging first service dates by two quarters prior to the report allows time for claim
Engagement in Services	Number of persons meeting the criteria for Initiation who receive a fourth paid IPRS and/or Medicaid service claim* that indicates a diagnosis for the disability group within 30 days of the second service date	Number of persons with a first paid IPRS and/or Medicaid service claim* that indicates a diagnosis for the disability group during the defined period	Defined period includes first service dates within one quarter plus two subsequent quarters of service dates (most recent 3 quarters of service claims total). Lagging first service dates by two quarters prior to the report allows time for claims to be submitted and paid. Note: The Developmental Disability charts includes consumers dually diagnosed with developmental disabilities and substance abuse.
Effective Use of State Psychiatric Hospitals (Short Term Use)	Number of persons discharged from a state psychiatric hospital during the defined period who were admitted no more than 7 or between 8-30 days prior to discharge	Number of persons discharged from a state psychiatric hospital during the defined period, according to HEARTS data	Defined period includes discharges during the most recent two quarters prior to the report.
Timely Follow-Up After Inpatient Care - State Alcohol & Drug Abuse Treatment Centers (ADATCs)	Number of persons discharged from a state ADATC during the defined period who had a paid IPRS and/or Medicaid service* within 1-7 or 8-30 calendar days of the discharge	Number of persons discharged from a state ADATC during the defined period, according to HEARTS data	Defined period includes discharges during a quarter, lagged 2 quarters prior to the report, and first service dates during the 3 quarters prior to the report. Lag allows time for claims to be submitted and paid.
Timely Follow-Up After Inpatient Care - State Psychiatric Hospitals	Number of persons discharged from a state psychiatric hospital during the defined period who had a paid IPRS and/or Medicaid service* within 1-7 or 8-30 calendar days of the discharge	Number of persons discharged from a state psychiatric hospital during the defined period, according to HEARTS data	Defined period includes discharges during a quarter, lagged 2 quarters prior to the report, and first service dates during the 3 quarters prior to the report. Lag allows time for claims to be submitted and paid.

*Service claims data include:

(1) All paid IPRS claims and claims denied due to lack of funds. (Other denied IPRS claims and procedure codes YP500 and YP692 are excluded.)

(2) All Medicaid claims billed by the following providers:

- All enhanced services
- CAP-MR/DD
- Directly-enrolled residential
- Professional practitioners (licensed psychologists, LCSWs, etc.)
- Psychiatrists
- Psychiatric residential treatment facilities (excluding state-operated)
- Criterion 5 extended-stay residential placements
- Community Intermediate Care Facilities for Mental Retardation
- General hospital inpatient psychiatric units
- Select general hospital outpatient
- Community psychiatric hospitals (excluding state-operated)

Appendix D
So...How Did We Do?

Progress Indicator	SFY 2008 Performance Standard	SFY 2008 Target	State Average	Range Among LMEs	Urban LMEs Average	Mix LMEs Average	Rural LMEs Average	Your LME
1. Services to Persons in Need								
❖Adult Mental Health	38%	38%	38%	22% - 63%	34%	38%	48%	
❖Child/Adolescent Mental Health	38%	38%	43%	25% - 67%	36%	45%	52%	
❖Adult Developmental Disabilities	36%	36%	36%	21% - 54%	33%	38%	40%	
❖Child/Adolescent Developmental Disability	19%	19%	19%	11% - 31%	17%	20%	19%	
❖Adult Substance Abuse	8%	10%	7%	4% - 11%	7%	7%	8%	
❖Adolescent Substance Abuse	7%	9%	6%	4% - 9%	5%	7%	6%	
2. Timely Initiation & Engagement in Service								
❖Mental Health: 2 Visits within 14 Days	35%	42%	37%	25% - 59%	37%	37%	37%	
❖Mental Health: 2 Additional Visits within Next 30 Days	21%	25%	25%	14% - 48%	25%	25%	24%	
❖Developmental Disabilities: 2 Visits within 14 Days	60%	72%	62%	24% - 85%	62%	62%	61%	
❖Developmental Disabilities: 2 Additional Visits within Next 30 Days	46%	55%	51%	13% - 77%	50%	52%	51%	
❖Substance Abuse: 2 Visits within 14 Days	59%	71%	64%	41% - 82%	68%	63%	59%	
❖Substance Abuse: 2 Additional Visits within Next 30 Days	42%	50%	47%	28% - 71%	52%	45%	44%	
❖Mental Health/Developmental Disability: 2 Visits within 14 Days	NA	NA	55%	29% - 90%	51%	60%	52%	
❖Mental Health/Developmental Disability: 2 Additional Visits within Next 30 Days	NA	NA	45%	20% - 84%	40%	51%	41%	
❖Mental Health/Substance Abuse: 2 Visits within 14 Days	NA	NA	53%	34% - 72%	51%	56%	51%	
❖Mental Health/Substance Abuse: 2 Additional Visits within Next 30 Days	NA	NA	40%	20% - 55%	40%	42%	36%	
3. Effective Use of State Psychiatric Hospitals								
❖1-7 Days of Care	55%	44%	54%	33% - 70%	56%	52%	53%	
❖8-30 Days of Care	NA	NA	33%	21% - 40%	30%	35%	32%	
4. Timely Follow-up After Inpatient Care								
❖ADATCs: Seen in 1-7 Days	24%	36%	26%	0% - 63%	24%	27%	26%	
❖State Psychiatric Hospitals: Seen in 1-7 Days	28%	42%	35%	18% - 37%	37%	33%	37%	